

Service Manual

Hi-Fi Speaker System

SB-G910 (M)

[PA], [PC], [XA]



Areas

- * [PA] is available in Far East PX.
- * [PC] is available in European Audio Club.
- * [XA] is available in Southeast Asia, Oceania, Africa, Middle Near East and Central South America.

Specifications

(Specifications are subject to change without notice for further improvement.)
Weight and dimensions shown are approximate.

Type: 4 way 5 speaker bass-reflex system

Speakers: Woofer: 41 cm, cone type
Midrange: 18 cm, cone type
Tweeter: horn type
Super Tweeter: horn type x 2

Impedance: 8 ohms

Input Power: 300 W, Music

Output Sound

Pressure Level: 99 dB/W (1.0 m)

Crossover Frequency: 350 Hz, 3,500 Hz, 10,000 Hz

Frequency Range: 35 Hz ~ 30 kHz (-20 dB)

Dimensions: 46.4(W) x 72.0(H) x 30.9(D) cm

Weight: 17.5 kg

ESPECIFICACIONES

(Las especificaciones quedan sujetas a cambios sin aviso previo. El peso y las dimensiones indicados son aproximados.)

Tipo: Sistema de reflexión de bajos con 5 altoparlantes de 4 vías

Altoparlantes: "Woofer": tipo cónico, de 41 cm
"Gama media": tipo cónico, de 18 cm
"Tweeter": tipo bocina
"Super tweeter": tipo bocina x 2

Impedancia: 8 ohmios

Capacidad de potencia: 300 W, música

Nivel de presión acústica de salida: 99 dB/W (1,0 m)

Frecuencia de cruce: 350 Hz, 3.500 Hz, 10.000 Hz

Alcance de frecuencia: 35 Hz ~ 30 kHz (-20 dB)

Dimensiones: 46,4(ancho) x 72,0(alto) x 30,9(prof.) cm

Peso: 17,5 kg

CARACTERISTIQUES

(Sujet à changement sans préavis.)

Type: 4 voies, 5 haut-parleurs, bass-reflex

Haut-parleurs: graves: 41 cm, type à cône
moyennes: 18 cm type à cône
aigus: type à corne
"Super haut-parleur" aigu: type à corne x 2

Impédance: 8 ohms

Entrée maximale: 300 watts, musique

Niveau de pression sonore de sortie: 99 dB/W (1,0 m)

Fréquence de commutation: 350 Hz, 3.500 Hz, 10.000 Hz

Gamme de fréquences: 35 Hz ~ 30 kHz (-20 dB)

Dimensions: 46,4(L) x 72,0(H) x 30,9(P) cm

Poids: 17,5 kg

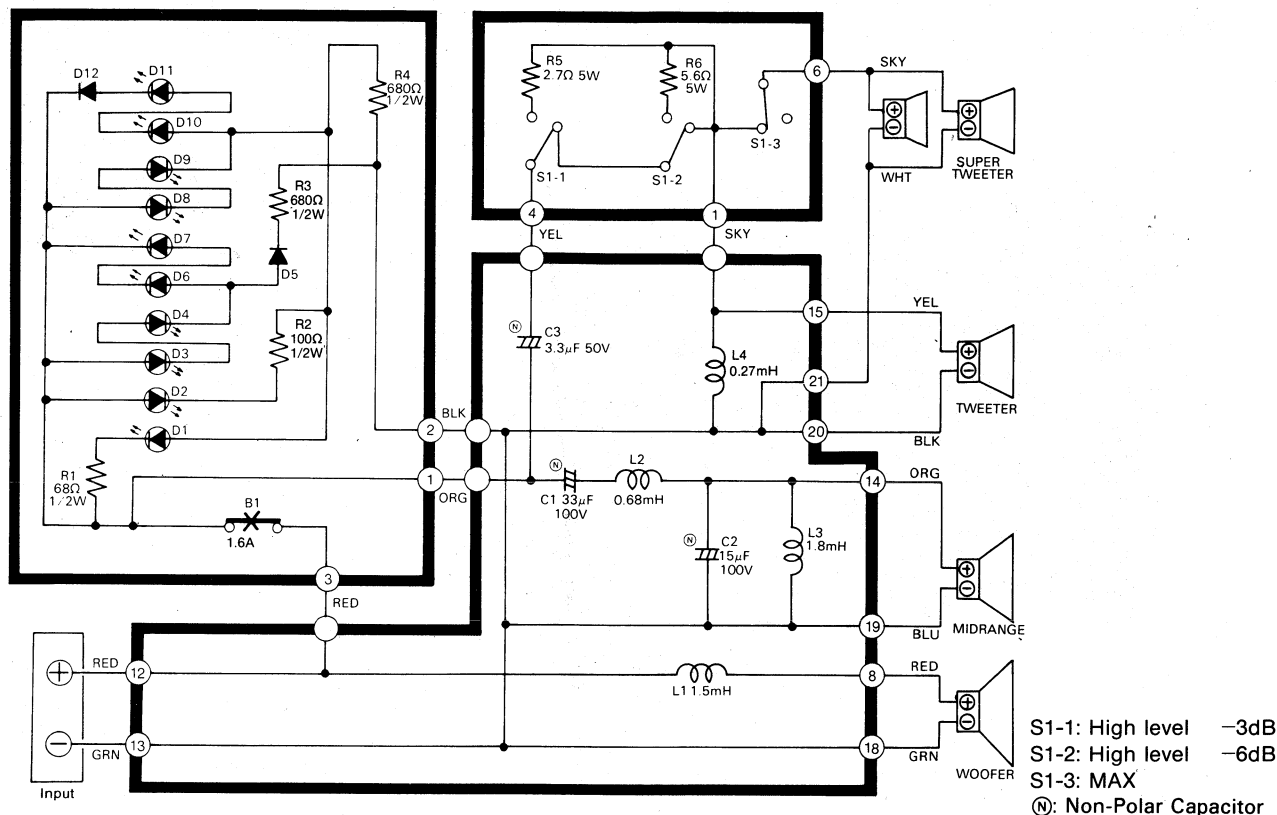
Technics

Panasonic Tokyo
Matsushita Electric Industrial Co., Ltd.
1-2, 1-chome, Shibakoen, Minato-ku,
Tokyo 105 Japan

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

SCHEMATIC DIAGRAM

(This schematic diagram may be modified at any time with the development of new technology.)



SERVICING METHOD

1. How to remove the attenuator switch (Fig. 1)

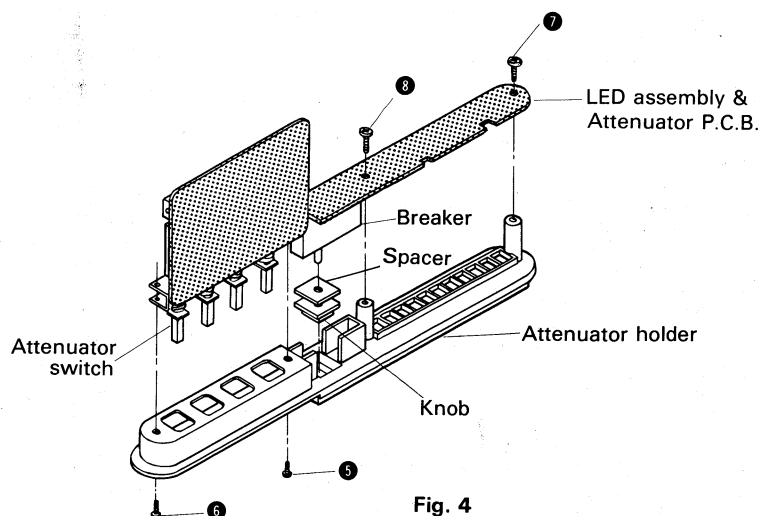
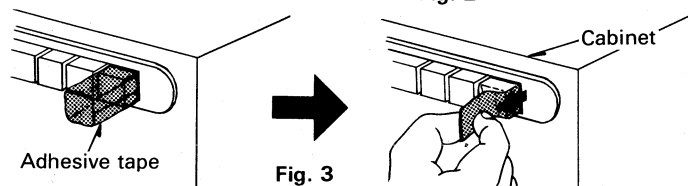
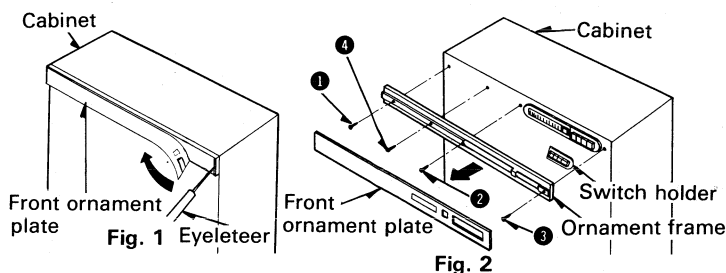
- Using an eyeletter or pincette, carefully remove the front ornament plate from the cabinet in the direction indicated by the arrow (see Fig. 1). (The front ornament plate is affixed with double-sided adhesive tape.)
- Remove the 4 screws (Fig. 2: ①~④) of the ornament frame and remove the ornament frame in the direction indicated by the arrow. Remove the switch holder from the cabinet.
- Remove the knob in the direction shown by the arrow (See Fig. 3), by use of strong adhesive tape. Remove the 2 screws (Fig. 4: ⑤~⑥) from the attenuator holder. Then remove the attenuator switch from the P.C.B. after taking off the solder of the terminal.

2. How to remove the LED output level

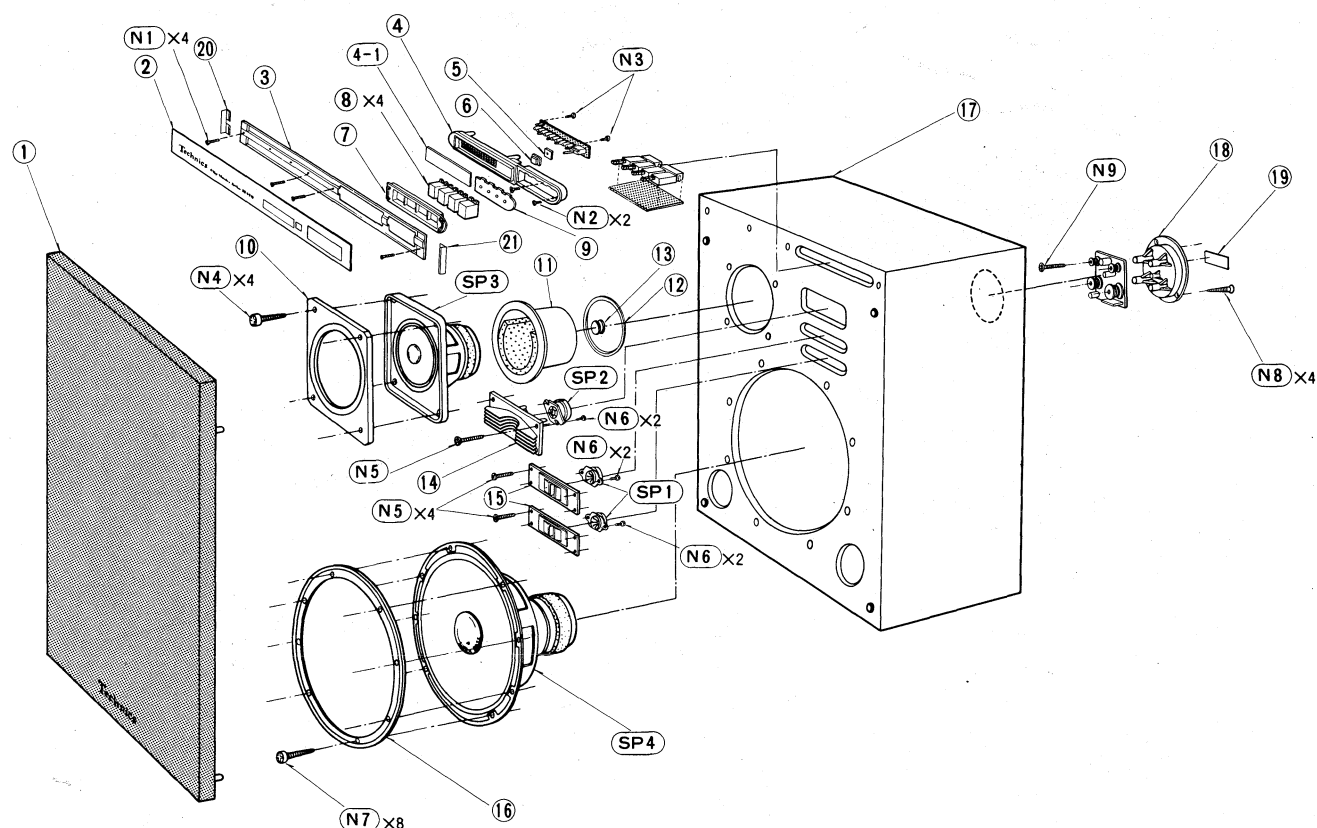
- Remove the ornament plate. (Refer to Section 1.)
- Take out the LED assembly and the attenuator P.C.B. from the cabinet. (Refer to Section 1-1).
- Remove the solder from the LED and breaker terminals. Then remove the LED and the breaker from the attenuator P.C.B. (Fig. 4)

3. Connection of speaker unit and direction of the terminals on the front side.

	Woofer	Midrange	Tweeter	Super Tweeter
⊕ terminal	Red	Orange	Yellow	Sky
⊖ terminal	Green	Blue	Black	White
Terminal direction	Upper right	Up	Right side	Right side



■ EXPLODED VIEW



■ REPLACEMENT PARTS LIST

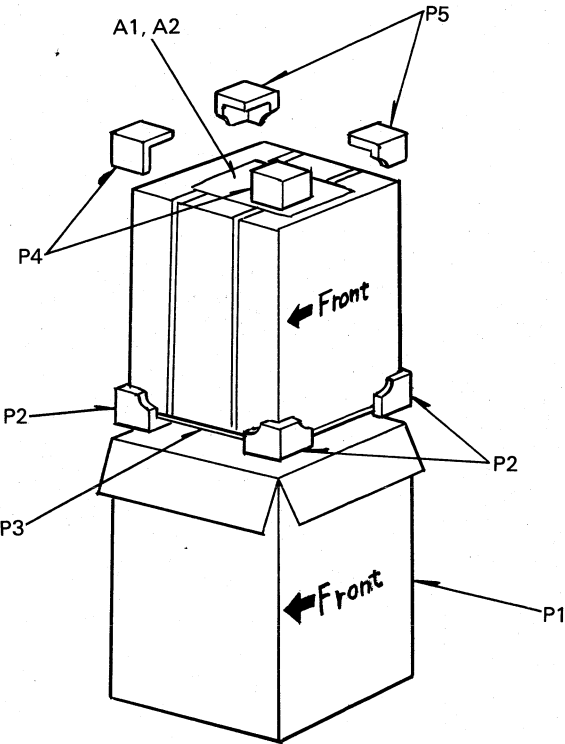
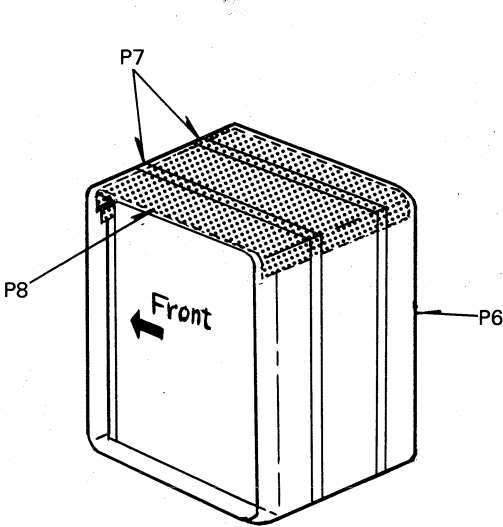
Notes:

1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. The parenthesized numbers in columns of description stand for the quantity per set.
3. Bracket indications in Ref. No. columns specify the area. Parts without these indications can be used for all areas.
4. The Ⓢ mark is service standard parts and may differ from production parts.

Ref. No.	Part No.	Part Name & Description
SPEAKERS		
SP1	EAS3FP16A	Super Tweeter (2)
SP2	EAS14HD13S	Tweeter (1)
SP3	EAS18PM68S	Midrange (1)
SP4	SASS38PL01-T	Woofer (1)
COILS		
L1	SLCSE152JU	1.5mH (1)
L2	SLCSA681J	0.68mH (1)
L3	SLCSA182J	1.8mH (1)
L4	SLCSA271K	0.27mH (1)
CAPACITORS		
C1	ECEA100Y33K	33 μ F, 100V (1)
C2	ECEA100Y15K	15 μ F, 100V (1)
C3	ECEA50Y3R3K	3.3 μ F, 50V (1)
RESISTORS		
R1	⑤ ERD50FJ680	68 Ω , 1/2W (1)
R2	⑤ ERD50FJ101	100 Ω , 1/2W (1)
R3, R4	⑤ ERD50FJ681	680 Ω , 1/2W (2)
R5	ERF5AK2R7	2.7 Ω , 5W (R1) (1)
R6	ERF5AK5R6	5.6 Ω 5W (R2) (1)
DIODES		
D1~4	SVDSAA5724S	LED, Output Level (4)
D5	RVDRD6R2EB	Diode (1)
D6~9	SVDSAA5724S	LED, Output Level (4)
D10, 11	SVDSPR5704S	LED, Peak Level (2)
D12	MA162A	Diode (1)
SWITCH		
S1~3	SSHS401	Level Selector (1)
BREAKER		
B1	SSBS16AB02-1	Thermal Relay 1.6A

Ref. No.	Part No.	Part Name & Description
CABINET PARTS		
1	SYBS134	Grill (1)
2	SGKS175	Ornament Plate (1)
3	SGXS26	Base, Level Selector (1)
4	SMES24	Holder, LED (1)
4-1	SGKS172	Film, LED Holder (1)
5	SHRS9091	Spacer (1)
6	SBCS1	Knob, Breaker (1)
7	SGXS6019	Holder, Breaker Switch (1)
8	SBC307-3	Knob, Level Selector Switch (4)
9	SHRS9092	Spacer, Level Selector Switch (1)
10	SYES24	Ornament, Midrange (1)
11	SUVS3	Back Cavity, Midrange (1)
12	SHRS9046	Spacer, Back Cavity (1)
13	SHG1435	Bushing, Back Cavity (1)
14	SYES41	Ornament, Tweeter (1)
15	SYES42	Ornament, Super Tweeter (2)
16	SGES62	Ornament, Woofer (1)
17 [PA, PC]	SKABG910P	Cabinet
17 [XA]	SKABG910X	Cabinet
18	SJFS5201-1	
19	SGTS222	
20	SGES15C	
21	SGES	
SCREWS		
N1		
N2		
N3		
N4		

PACKING



Ref. No.	Part No.	Part Name & Description	
ACCESSORIES			
A1 [PA]	SQFS292	Instruction Book	(1)
A1 [PC]	SQFS304	Instruction Book	(1)
A1 [XA]	SQFS295	Instruction Book	(1)
A2	SWXS189-2	Speaker Cord	(1)
PACKING PARTS			
P1 [PA]	SPGS220	Carton Box	(1)
P1 [PC]	SPGS220-2	Carton Box	(1)
P1 [XA]	SPGS220-1	Carton Box	(1)
P2	SPSS1030	Pad, Corner	(4)
P3	SPSS6245	Pad, Bottom	(1)
P4	SPSS9032	Pad, Corner	(2)
P5	SPSS9014	Pad, Corner	(2)
P6	SPJS2	Polyethylene Bag	(1)
P7	SPE27	Rope	(1)
P8	SPHS6030	Mat	(1)